# Tutorial to make a gun with Inventor :

# <u>Step 1 :</u>

First, launch Inventor software and create a new piece

Click on standard.ipt and then on create.





### <u>Step 2 :</u>

Now, start an « esquisse » to do a piece, and choose one plan.

You can draw a piece looks like to a pistol, but do it large enough :

Modèle 3D Esquisse

Extrusion Révo

 $Q \equiv$ 

Commencer

une esquisse 2D

Esquisse Modèle 🗙 🕂

> [ - Vue: Principal(e) Origine S Fin de la pièce

Pièce 1



# <u>Step 3 :</u>

- You must quote this draw to continue you piece.
- You can take other size if you want, but i think my size which like a real :



# <u>Step 4 :</u>

• Click on finish the « esquisse »

• And then on « extrusion » and extrude this.



and choose 30mm

Terminer

l'esquisse

Quitter

DROITE

cher le format

rmat 💌



### <u>Step 5 :</u>

- Now, we will go to make some details at this piece.
- So, you can open an new « esquisse » on one side.

### <u>Step 6 :</u>

• Draw a form to make a trigger and after quote this :



### <u>Step 7 :</u>

You can quote this at this size if you have the same of me at the first « esquisse ». You can finish the « esquisse » and go to the next step.



# <u>Step 8 :</u>

• Made an extrusion to the piece like to a trigger. So you must extrude 30mm but at inverse of the first.



# <u>Step 9 :</u>

- Create a fird « esquisse » on this plan.
- Drow a circle in the center.





# <u>Step 10 :</u>

• Extrude this to 80mm.



# <u>Step 11 :</u>

• Now you can create

This screenshot :



Modifier

and select all you see on and then click on apply.

#### Becarefull, you must choose 4mm

### <u>Step 12 :</u>

 You can open « congés » again and now choose 2mm and select which you see on this :



# <u>Step 13 :</u>

• Create a new « esquisse » here again



• Make a point at the center of the piece to make your circle





# <u>Step 14 :</u>

• Draw a circle to make the barrel like that :



You need to project the geometry to extrude what you want ! So click on the line, and all must be yellow

Projeter

la géométrie

### <u>Step 15 :</u>

• Finish the « esquisse » and extrude the outline of the barrel :



### <u>Step 16 :</u>

• Click on « congés » and select all you see on the screenshot, take

2 mm and apply



# <u>Step 17 :</u>

• Finish the last step with « congés », Always at 2mm and apply.



# <u>Step 18 :</u>

- To fisnish you will create the target
- So, create an « esquisse » on this plan



### <u>Step 19 :</u>

• Draw this form close of the center and after quote this at this dimensions.





### <u>Step 20 :</u>

- Finish the « esquisse » and extrude this at 150mm
- But we have do one error, so made a new esquisse at the same plan and draw exactly the same form and finish this.
- To finish the pistol click on « extrusion » and

Extrude this at 140mm And apply !!